

Figure 1

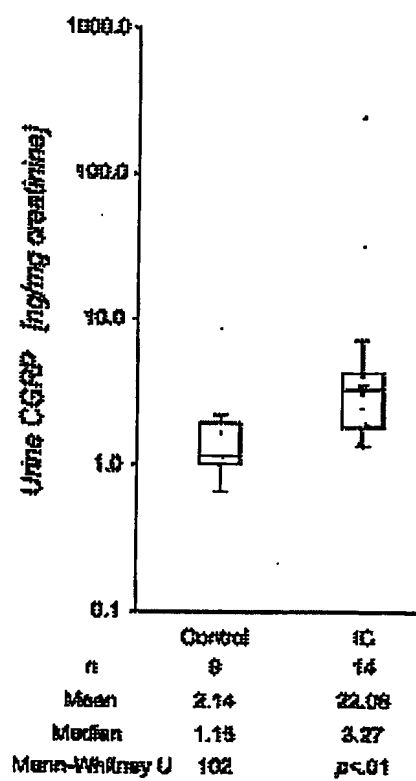
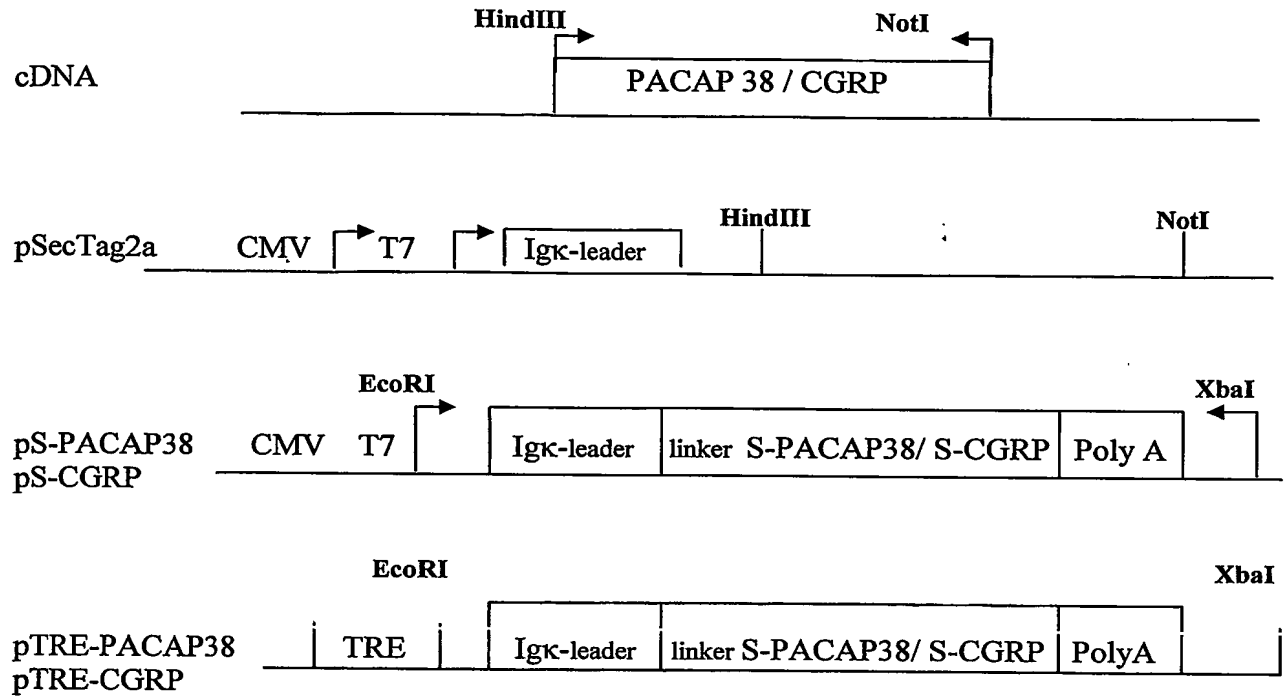
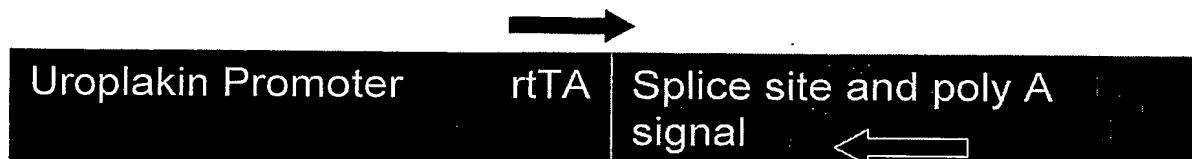


Figure 2

**Figure 3A****Figure 3B**

GACGGATCGG	GAGATCTCCC	GATCCCCTAT	GGTCGACTCT	CAGTACAATC	
TGCTCTGATG	CCGCATAGTT	AAGCCAGTAT	CTGCTCCCTG	CTTGTGTGTT	100
GGAGGTCGCT	GAGTAGTGCG	CGAGCAAAAT	TTAAGCTACA	ACAAGGCAAG	
GCTTGACCGA	CAATTGCATG	AAGAATCTGC	TTAGGGTTAG	GCGTTTTGCG	200
CTGCTTCGCG	ATGTACGGGC	CAGATATACG	CGTTGACATT	GATTATTGAC	
TAGTTATTAA	TAGTAATCAA	TTACGGGGTC	ATTAGTTCAT	AGCCCATATA	300
TGGAGTTCGG	CGTTACATAA	CTTACGGTAA	ATGGCCCGCC	TGGCTGACCG	
CCCAACGACC	CCCGCCCAT	GACGTCAATA	ATGACGTATG	TTCCCATAGT	400
AACGCCAATA	GGGACTTTCC	ATTGACGTCA	ATGGGTGGAC	TATTTACGGT	
AAACTGCCCA	CTTGGCAGTA	CATCAAGTGT	ATCATATGCC	AAGTACGCCC	500
CCTATTGACG	TCAATGACGG	TAAATGGCCC	GCCTGGCATT	ATGCCCAGTA	
CATGACCTTA	TGGGACTTTC	CTACTTGGA	GTACATCTAC	GTATTAGTCA	600
TCGCTATTAC	CATGGTGATG	CGGTTTTTGGC	AGTACATCAA	TGGGCGTGGA	
TAGCGGTTTG	ACTCACGGGG	ATTTCCAAGT	CTCCACCCCA	TTGACGTCAA	700
TGGGAGTTTG	TTTTTGGCACC	AAAATCAACG	GGACTTTCCA	AAATGTCGTA	
ACAACCTCCG	CCCATTGACG	CAAATGGGCG	GTAGGCGTGT	ACGGTGGGAG	800
GTCTATATAA	GCAGAGCTCT	CTGGCTAACT	AGAGAACCCA	CTGCTTACTG	
GCTTATCGAA	ATTAATACGA	CTCACTATAG	GGAGACCCAA	GCTGGCTAGC	900
CACCATGGAG	ACAGACACAC	TCCTGCTATG	GGTACTGCTG	CTCTGGGTTC	
CAGGTTCCAC	TGGTGACGCG	GCCCAGCCGG	CCAGGCGCAG	GAGGCACTCG	1000
GACGGGATCT	TCACGGACAG	CTACAGCCGC	TACCGGAAAC	AAATGGCTGT	
CAAGAAATAC	TTGGCGGCCG	TCCTAGGGAA	GAGGTATAAA	CAAAGGGTTA	1100
AAAACAAAGG	ATGACGAACA	AAAATCATC	TCAGAAGAGG	ATCTGAATAG	
CGCCGTCGAC	CATCATCATC	ATCATCATTG	AGTTTAAACC	CGCTGATCAG	1200
CCTCGACTGT	GCCTTCTAGT	TGCCAGCCAT	CTGTTGTTTG	CCCCTCCCCC	
GTGCCTTCCT	TGACCTTGA	AGGTGCCACT	CCCACTGTCC	TTTCCTAATA	1300
AAATGAGGAA	ATTGCATCGC	ATTGCTGAG	TAGGTGTCAT	TCTATTCTGG	
GGGGTGGGGT	GGGGCAGGAC	AGCAAGGGGG	AGGATTGGGA	AGACAATAGC	1400
AGGCATGCTG	GGGATGCGGT	GGGCTCTATG	GCTTCTGAGG	CGGAAAGAAC	
CAGCTGGGGC	TCTAGGGGGT	ATCCCCACGC	GCCCTGTAGC	GGCGCATTA	1500
GCGCGGCGGG	TGTGGTGGTT	ACGCGCAGCG	TGACCGCTAC	ACTTGCCAGC	
GCCCTAGCGC	CCGCTCCTTT	CGCTTCTTC	CCTTCCTTTC	TCGCCACGTT	1600
CGCCGGCTTT	CCCCGTCAAG	CTCTAAATCG	GGGCATCCCT	TTAGGGTTCC	
GATTTAGTGC	TTTACGGCAC	CTCGACCCCA	AAAACTTGA	TTAGGGTGAT	1700
GGTTCACGTA	GTGGGCCATC	GCCCTGATAG	ACGGTTTTTC	GCCCTTTGAC	
GTTGGAGTCC	ACGTTCTTTA	ATAGTGGACT	CTTGTTCCAA	ACTGGAACAA	1800
CACTCAACCC	TATCTCGGTC	TATTCTTTTG	ATTTATAAGG	GATTTTGGGG	
ATTTCGGCCT	ATTGGTTAAA	AAATGAGCTG	ATTTAACAAA	AATTTAACGC	1900
GAATTAATTC	TGTGGAATGT	GTGTCAGTTA	GGGTGTGGAA	AGTCCCCAGG	
CTCCCCAGCA	GGCAGAAGTA	TGCAAAAGCAT	GCATCTCAAT	TAGTCAGCAA	2000
CCAGGTGTGG	AAAGTCCCCA	GGCTCCCCAG	CAGGCAGAAG	TATGCAAAGC	
ATGCATCTCA	ATTAGTCAGC	AACCATAGTC	CCGCCCCTAA	CTCCGCCCAT	2100
CCCGCCCCTA	ACTCCGCCCA	GTTCCGCCCA	TTCTCCGCC	CATGGCTGAC	
TAATTTTTTT	TATTTATGCA	GAGGCCGAGG	CCGCCTCTGC	CTCTGAGCTA	2200
TTCCAGAAGT	AGTGAGGAGG	CTTTTTTGGA	GGCCTAGGCT	TTTGCAAAAA	
GCTCCCGGGA	GCTTGATATAT	CCATTTTCGG	ATCTGATCAG	CACGTGTTGA	2300
CAATTAATCA	TCGGCATAGT	ATATCGGCAT	AGTATAATAC	GACAAGGTGA	

Figure 4A

GGAAC TAAAC	CATGG CCAAG	TTGAC CAGTG	CCGTT CCGGT	GCTCA CCGCG	2400
CGCGA CGTCG	CCGGA GCGGT	CGAGT TCTGG	ACCGA CCGGC	TCGGG TTCTC	
CCGGG ACTTC	GTGGG AGGAC	ACTTC GCCCG	TGTGG TCCGG	GACGA CGTGA	2500
CCCTG TTTCAT	CAGCG CGGTC	CAGGA CCAGG	TGGTG CCGGA	CAACA CCCTG	
GCCTG GGTGT	GGGTG CGCGG	CCTGG ACGAG	CTGTA CGCCG	AGTGG TCGGA	2600
GGTCG TGTCC	ACGAA CTTCC	GGGAC GCCTC	CGGGC CGGCC	ATGAC CGAGA	
TCGGC GAGCA	GCCGT GGGGG	CGGGG AGTTC	CCCTG CGCGA	CCCGG CCGGC	2700
AACTG CGTGC	ACTTC GTGGC	CGAGG AGCAG	GACTG ACACG	TGCTA CGAGA	
TTTCG ATTCC	ACCGC CGCCT	TCTAT GAAAG	GTTGG GCTTC	GGAAT CGTTT	2800
TCCGG GACGC	CGGCT GGATG	ATCCT CCAGC	GCGGG GATCT	CATGCTGGAG	
TTCTT CGCCC	ACCCCAACTT	GTTTAT TGCA	GCTTA TAAATG	GTTACA AATA	2900
AAGCA ATAGC	ATCACA AATT	TCACA AATAA	AGCAT TTTTT	TCACT GCATT	
CTAGT TGTGG	TTTGT CCAAA	CTCAT CAATG	TATCT TATCA	TGTCT GTATA	3000
CCGTG ACCT	CTAGC TAGAG	CTTGG CGTAA	TCATG GTCAT	AGCTG TTTCC	
TGTGT GAAAT	TGTTAT CCGC	TCACA ATTCC	ACACA ACATA	CGAGC CGGAA	3100
GCATA AAGTG	TAAAG CCTGG	GGTGC CTAAT	GAGTG AGCTA	ACTCA CATTA	
ATTGC GTTGC	GCTCA CTGCC	CGCTT TTCAG	TCGGG AAAACC	TGTCG TGCCA	3200
GCTGC ATTAA	TGAAT CGGCC	AACGC GCGGG	GAGAG GCGGT	TTGCG TATTG	
GGCGC TCTTC	CGCTT CCTCG	CTCACT GACT	CGCTG CGCTC	GGTCG TTCCG	3300
CTGCG GCGAG	CGGTAT CAGC	TCACT CAAAG	GCGGT AATAC	GGTTA TCCAC	
AGAAT CAGGG	GATAA CGCAG	GAAAG AACAT	GTGAG CAAAA	GGCCA GCAA	3400
AGGCC AGGAA	CCGTAA AAAAG	GCCGC GTTGC	TGGCG TTTTT	CCATA GGCTC	
CGCCCC CTG	ACGAG CATCA	CAAAA ATCGA	CGCTC AAGTC	AGAGG TGGCG	3500
AAACCC GACA	GGACT ATAAA	GATAC CAGGC	GTTT CCCCC	GGAA GCTCCC	
TCGTG CGCTC	TCCTG TTCCG	ACCCT GCCGC	TTACC GCGATA	CCTGT CCGCC	3600
TTTCT CCCTT	CGGGA AGCGT	GGCGC TTTCT	CAATG CTCAC	GCTGT AGGTA	
TCTCA GTTCG	GTGTAG GTCG	TTCGC TCCAA	GCTGG GCTGT	GTGCA CGAAC	3700
CCCCC GTTCA	GCCCC ACCGC	TGCGC CTTAT	CCGGT AACTA	TCGTCTTGAG	
TCCAAC CCGG	TAAGA CACGA	CTTAT CGCCA	CTGGC AGCAG	CCACT GGTAA	3800
CAGGA TTAGC	AGAGC GAGGT	ATGTA GCGCG	TGCTA CAGAG	TTCTT GAAGT	
GGTGG CCTAA	CTACG GCTAC	ACTAG AAGGA	CAGTA ATTGG	TATCT GCGCT	3900
CTGCT GAAGC	CAGTT ACCTT	CGGAA AAAAG	GTTGG TAGCT	CTTGATCCGG	
CAAACA AACCC	ACCGC TG GTA	GCGGT GGT TT	TTTTG TTTGC	AAGCA GCAGA	4000
TTACG CGCAG	AAAAA AGGA	TCTCA AGAAG	ATCCT TTGAT	CTTTT CTACG	
GGGTCTG ACG	CTCAG TGGA	CGAAA ACTCA	CGTTA AGGGA	TTTTG GTCAT	4100
GAGAT TATCA	AAAAG GATCT	TCACC TAGAT	CCTTT TAAAT	TAAAA ATGAA	
GTTTT TAAATC	AATCT AAAAGT	ATATATG AGT	AAACT TGGTC	TGACA GTTAC	4200
CAATG CTTAA	TCAGT GAGGC	ACCTATCTCA	GCGAT CTGTC	TATTT CGTTC	
ATCCATAGTT	GCCTG ACTCC	CCGTC GTGTA	GATAA CTACG	ATACG GGAGG	4300
GCTTACC ATC	TGGCC CCAGT	GCTGC AATGA	TACCG CGAGA	CCCAC GCTCA	
CCGGCTCCAG	ATTTATC AGC	AATAA ACCAG	CCAGC CGGAA	GGGCC GAGCG	4400
CAGAAGTGGT	CCTGCA ACTT	TATCC GCCTC	CATCC AGTCT	ATTAAT TGTT	
GCCGG GAAGC	TAGAG TAAGT	AGTT CCGCAG	TTAAT AGTTT	GCGCA ACGTT	4500
GTTGCC ATTG	CTACAG GCAT	CGTGG TGTCA	CGCTC GTCGT	TTGGT ATGGC	
TTCATT CAGC	TCCGG TTCCC	AACGA TCAAG	GCGAG TTACA	TGATC CCCCCA	4600
TGTTGTG CAA	AAAAG CGGTT	AGCTC CTTCCG	GTCCT CCGAT	CGTTG TCGA	
AGTAAGTTGG	CCGCAG TGTT	ATCACTCATG	GTTAT GGCAG	CACTG CATAA	4700

Figure 4B

TTCTCTTACT	GTCATGCCAT	CCGTAAGATG	CTTTTCTGTG	ACTGGTGAGT	
ACTCAACCAA	GTCATTCTGA	GAATAGTGTA	TGCGGCGACC	GAGTTGCTCT	4800
TGCCCCGGCGT	CAATACGGGA	TAATACCGCG	CCACATAGCA	GAACTTTAAA	
AGTGCTCATC	ATTGGAAAAC	GTTCTTCGGG	GCGAAAACCTC	TCAAGGATCT	4900
TACCGCTGTT	GAGATCCAGT	TCGATGTAAAC	CCACTCGTGC	ACCCAACCTGA	
TCTTCAGCAT	CTTTTACTTT	CACCAGCGTT	TCTGGGTGAG	CAAAAACAGG	5000
AAGGCAAAAT	GCCGCAAAAA	AGGGAATAAG	GGCGACACGG	AAATGTTGAA	
TACTCATACT	CTTCCTTTTT	CAATATTATT	GAAGCATTTA	TCAGGGTTAT	5100
TGTCTCATGA	GCGGATACAT	ATTTGAATGT	ATTTAGAAAA	ATAAACAAAT	
AGGGGTTCG	CGCACATTTT	CCCGAAAAGT	GCCACCTGAC	GTC	5193

**Figure 4C**

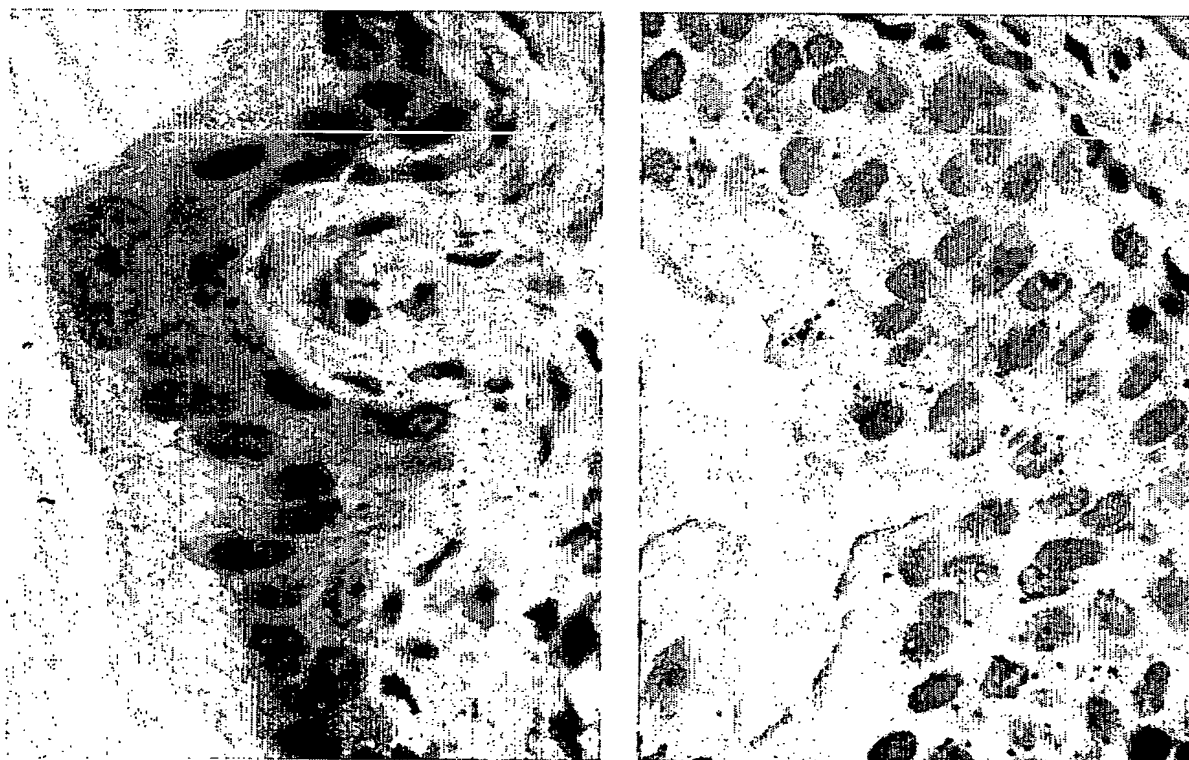
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GGAGGTCGCT	GAGTAGTGCG	CGAGCAAAAT	TTAAGCTACA	ACAAGGCAAG	
GCTTGACCGA	CAATTGCATG	AAGAATCTGC	TTAGGGTTAG	GCGTTTTGCG	200
CTGCTTCGCG	ATGTACGGGC	CAGATATACG	CGTTGACATT	GATTATTGAC	
TAGTTATTAA	TAGTAATCAA	TTACGGGGTC	ATTAGTTCAT	AGCCCATATA	300
TGGAGTTCCG	CGTTACATAA	CTTACGGTAA	ATGGCCCGCC	TGGCTGACCG	
CCCAACGACC	CCCGCCCAT	GACGTCAATA	ATGACGTATG	TTCCCATAGT	400
AACGCCAATA	GGGACTTTCC	ATTGACGTCA	ATGGGTGGAC	TATTTACGGT	
AAACTGCCCA	CTTGGCAGTA	CATCAAGTGT	ATCATATGCC	AAGTACGCCC	500
CCTATTGACG	TCAATGACGG	TAAATGGCCC	GCCTGGCATT	ATGCCCAGTA	
CATGACCTTA	TGGGACTTTC	CTACTTGCCA	GTACATCTAC	GTATTAGTCA	600
TCGCTATTAC	CATGGTGATG	CGGTTTTGGC	AGTACATCAA	TGGGCGTGGA	
TAGCGGTTTG	ACTCACGGGG	ATTTCCAAGT	CTCCACCCCA	TTGACGTCAA	700
TGGGAGTTTG	TTTTGGCACC	AAAATCAACG	GGACTTTCCA	AAATGTCGTA	
ACAACCTCCG	CCCATTGACG	CAAATGGGCG	GTAGGCGTGT	ACGGTGGGAG	800
GTCTATATAA	GCAGAGCTCT	CTGGCTAACT	AGAGAACCCA	CTGCTTACTG	
GCTTATCGAA	ATTAATACGA	CTCACTATAG	GGAGACCCAA	GCTGGCTAGC	900
CACCATGGAG	ACAGACACAC	TCCTGCTATG	GGTACTGCTG	CTCTGGGTTC	
CAGGTTCCAC	TGGTGACGCG	GCCCAGCCGG	CCAGGCGCAG	GAGGTCCCTGC	1000
AACACTGCCA	CCTGTGTGAC	CCATCGGCTG	GCAGGTCTGC	TGAGCAGATC	
AGGAGGTGTG	GTGAAGGACA	ACTTTGTTC	CACCAATGTG	GGCTCTGAAG	1100
CCTTCGGCTG	ACGAACAAAA	ACTCATCTCA	GAAGAGGATC	TGAATAGCGC	
CGTCGACCAT	CATCATCATC	ATCATTGAGT	TTAAACCCGC	TGATCAGCCT	1200
CGACTGTGCC	TTCTAGTTGC	CAGCCATCTG	TTGTTTGCCC	CTCCCCCGTG	
CCTTCCTTGA	CCCTGGAAGG	TGCCACTCCC	ACTGTCCTTT	CCTAATAAAA	1300
TGAGGAAATT	GCATCGCATT	GTCTGAGTAG	GTGTCATTCT	ATTCTGGGGG	
GTGGGGTGGG	GCAGGACAGC	AAGGGGGAGG	ATTGGGAAGA	CAATAGCAGG	1400
CATGCTGGGG	ATGCGGTGGG	CTCTATGGCT	TCTGAGGCGG	AAAGAACCAG	
CTGGGGCTCT	AGGGGGTATC	CCCACGCGCC	CTGTAGCGGC	GCATTAAAGCG	1500
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CTAGCGCCCC	CTCCTTTCGC	TTTCTTCCCT	TCCTTTCTCG	CCACGTTCGC	1600
CGGCTTTCCC	CGTCAAGCTC	TAAATCGGGG	CATCCCTTTA	GGGTTCGGAT	
TTAGTGCTTT	ACGGCACCTC	GACCCCAAAA	AACCTTGATTA	GGGTGATGGT	1700
TCACGTAGTG	GGCCATCGCC	CTGATAGACG	GTTTTTTCGCC	CTTTGACGTT	
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GGTGTGGA	GTCCCCAGGC	TCCCCAGCAG	GCAGAAGTAT	GCAAAGCATG	
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GCCCCTAACT	CCGCCCAGTT	CCGCCCATTC	TCCGCCCCAT	GGCTGACTAA	
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CAGAAAGTAGT	GAGGAGGCTT	TTTTGGAGGC	CTAGGCTTTT	GCAAAAAGCT	
CCCGGGAGCT	TGTATATCCA	TTTTCGGATC	TGATCAGCAC	GTGTTGACAA	2300
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Figure 5A

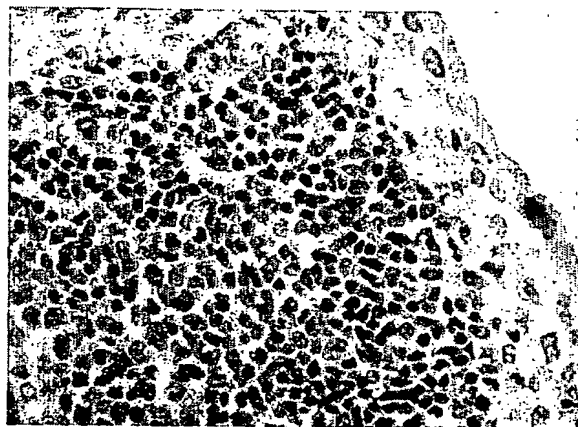
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GGACTTCGTG	GAGGACGACT	TCGCCGGTGT	GGTCCGGGAC	GACGTGACCC	2500
TGTTTCATCAG	CGCGGTCCAG	GACCAGGTGG	TGCCGGACAA	CACCCTGGCC	
TGGGTGTGGG	TGCGCGGCCT	GGACGAGCTG	TACGCCGAGT	GGTCGGAGGT	2600
CGTGTCCACG	AACTTCCGGG	ACGCCTCCGG	GCCGGCCATG	ACCGAGATCG	
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GGGACGCCGG	CTGGATGATC	CTCCAGCGCG	GGGATCTCAT	GCTGGAGTTC	
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GTTGTGGTTT	GTCCAAACTC	ATCAATGTAT	CTTATCATGT	CTGTATACCG	3000
TCGACCTCTA	GCTAGAGCTT	GGCGTAATCA	TGGTCATAGC	TGTTTCCTGT	
GTGAAATTGT	TATCCGCTCA	CAATTCCACA	CAACATACGA	GCCGGAAGCA	3100
TAAAGTGTA	AGCCTGGGGT	GCCTAATGAG	TGAGCTAACT	CACATTAATT	
GCGTTGCGCT	CACTGCCCGC	TTTCCAGTCG	GGAAACCTGT	CGTGCCAGCT	3200
GCATTAATGA	ATCGGCCAAC	GCGCGGGGAG	AGGCGGTTTG	CGTATTGGGC	
GCTCTTCCGC	TTCTTCGCTC	ACTGACTCGC	TGCGCTCGGT	CGTTCGGCTG	3300
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ATCAGGGGAT	AACGCAGGAA	AGAACATGTG	AGCAAAAGGC	CAGCAAAAGG	3400
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CAGTTCGGTG	TAGGTCGTTT	GCTCCAAGCT	GGGCTGTGTG	CACGAACCCC	3700
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AACCCGTTAA	GACACGACTT	ATCGCCACTG	GCAGCAGCCA	CTGGTAACAG	3800
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GGCCTAACTA	CGGCTACACT	AGAAGGACAG	TATTTGGTAT	CTGCGCTCTG	3900
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TCTGACGCTC	AGTGGAACGA	AAACTCACGT	TAAGGGATTT	TGGTCATGAG	4100
ATTATCAAAA	AGGATCTTCA	CCTAGATCCT	TTTAAATTAA	AAATGAAGTT	
TTAAATCAAT	CTAAAGTATA	TATGAGTAAA	CTTGGTCTGA	CAGTTACCAA	4200
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Figure 5B

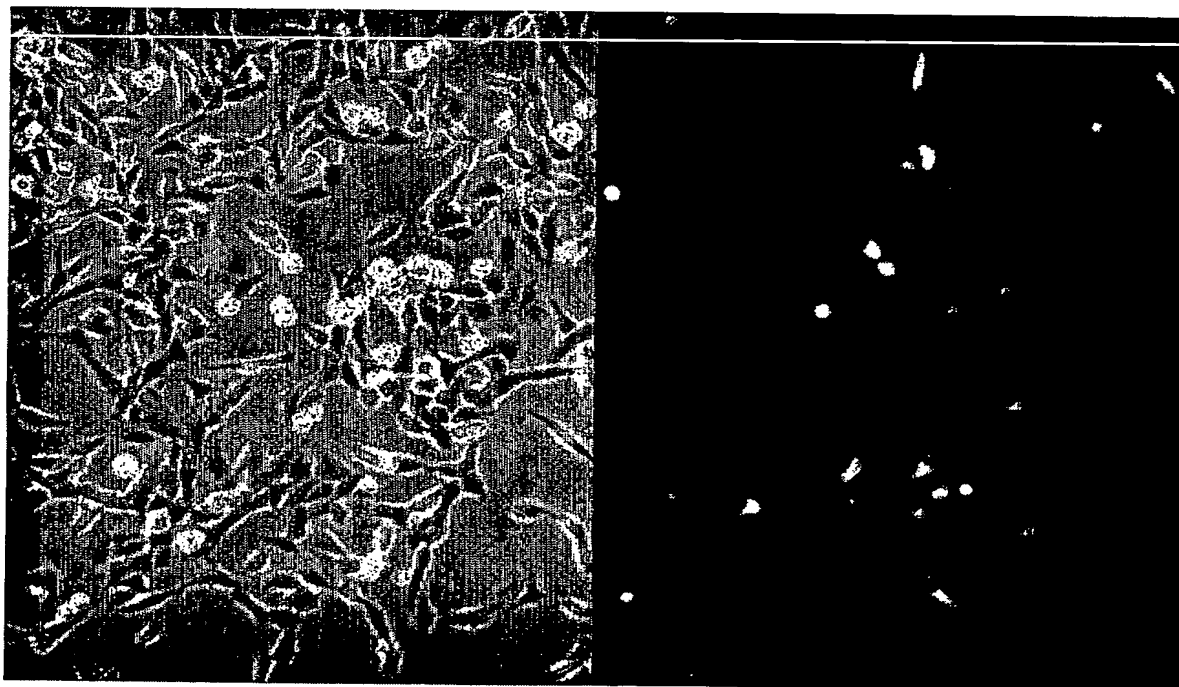
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GCTCATCATT	GGAAAACGTT	CTTCGGGGCG	AAAACCTCTCA	AGGATCTTAC	4900
CGCTGTTGAG	ATCCAGTTCG	ATGTAACCCA	CTCGTGCACC	CAACTGATCT	
TCAGCATCTT	TTACTTTTCAC	CAGCGTTTCT	GGGTGAGCAA	AAACAGGAAG	5000
GCAAAATGCC	GCAAAAAAGG	GAATAAGGGC	GACACGGAAA	TGTTGAATAC	
TCATACTCTT	CCTTTTTTCAA	TATTATTGAA	GCATTTATCA	GGGTTATTGT	5100
CTCATGAGCG	GATACATATT	TGAATGTATT	TAGAAAAATA	AACAAATAGG	
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**Figure 5C****Figure 6**

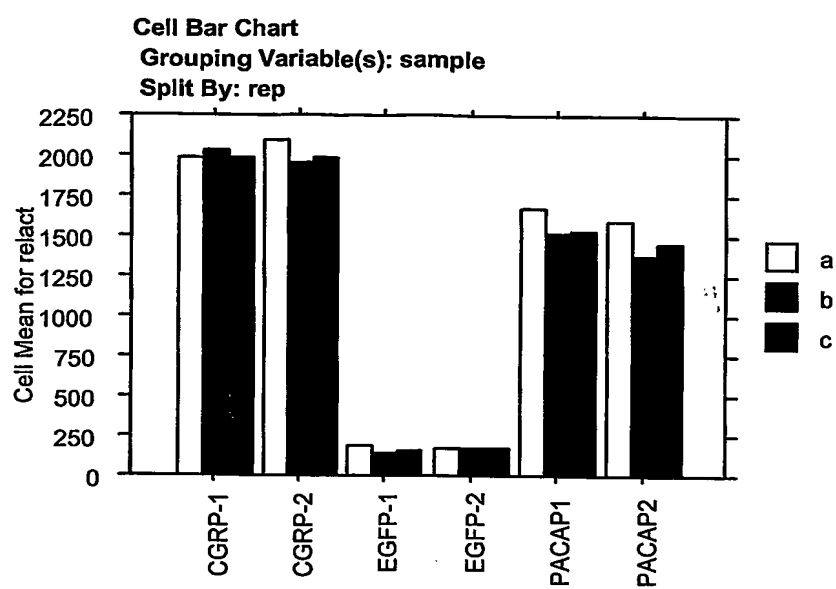




**Figure 7**



**Figure 8**

**Figure 9**